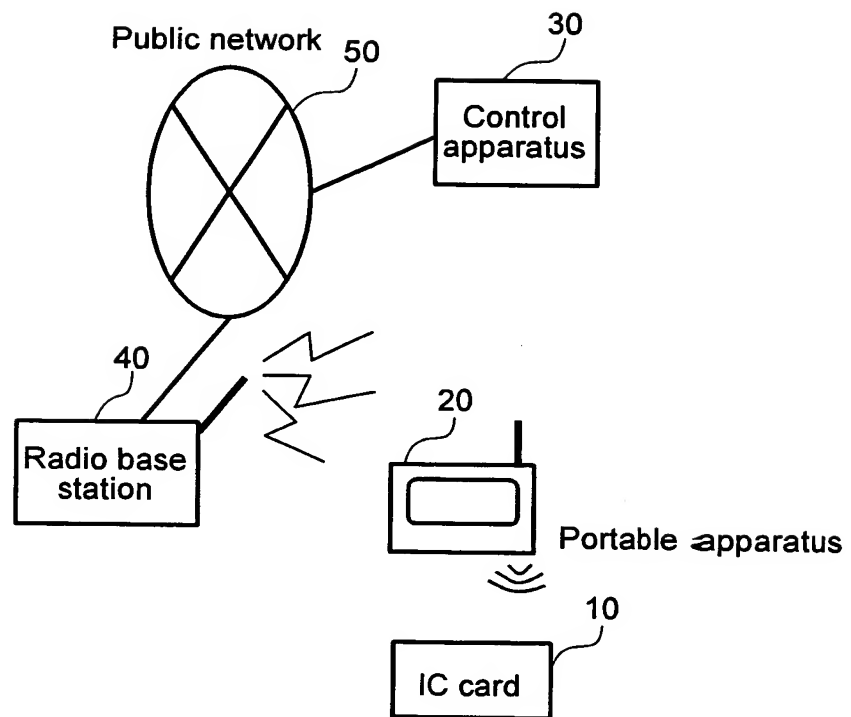
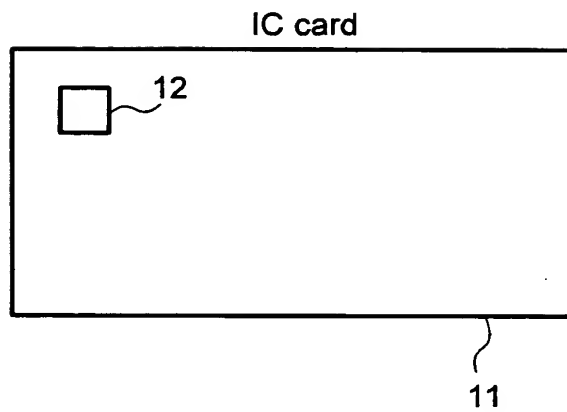


**FIG.1**

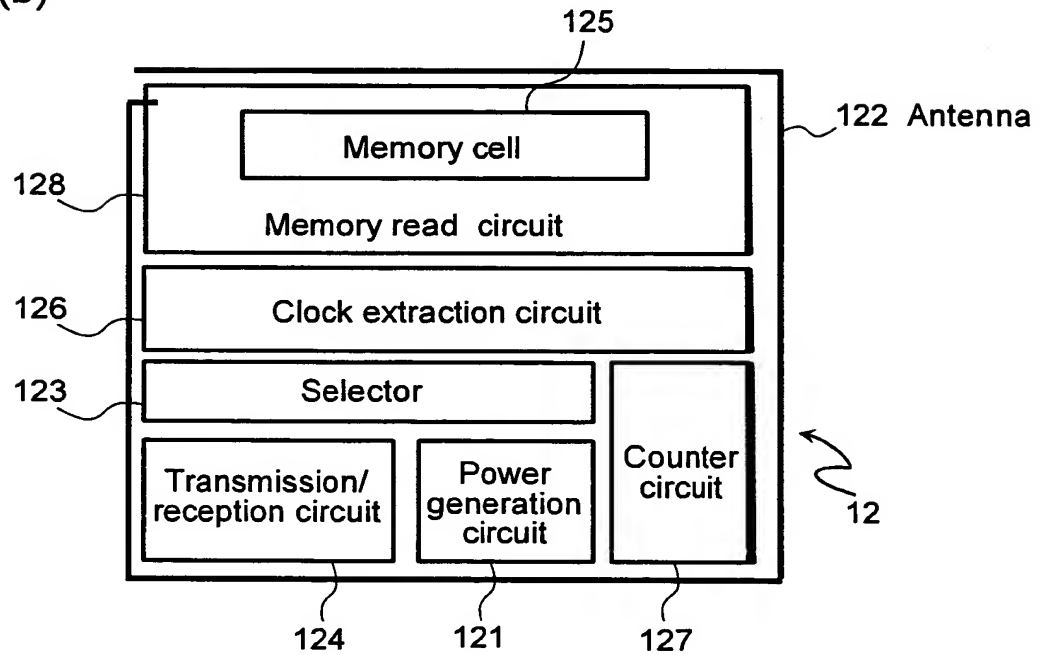


# FIG.2

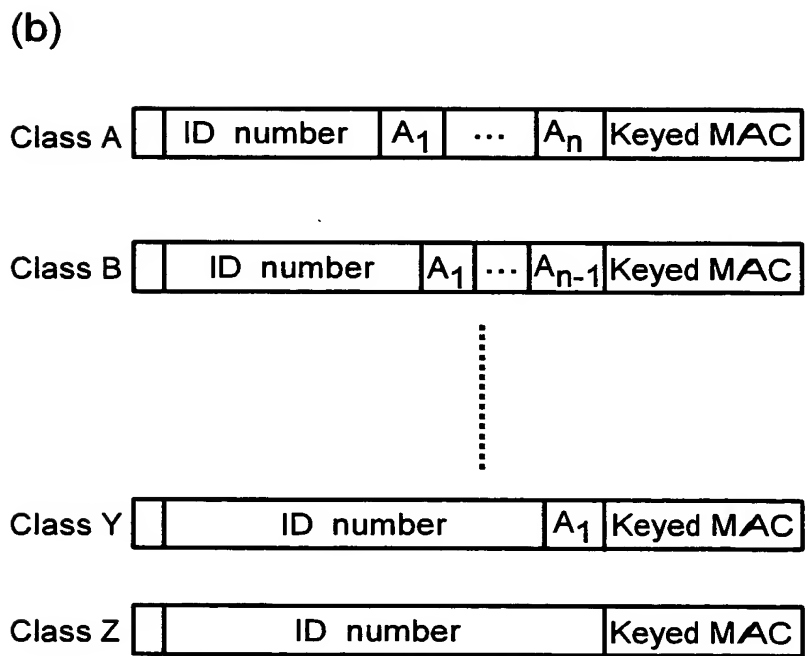
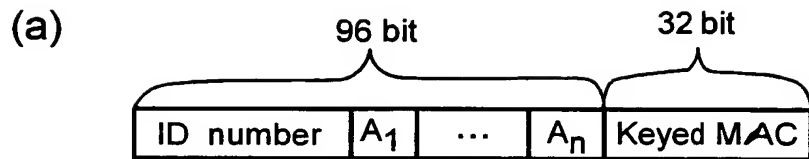
(a)



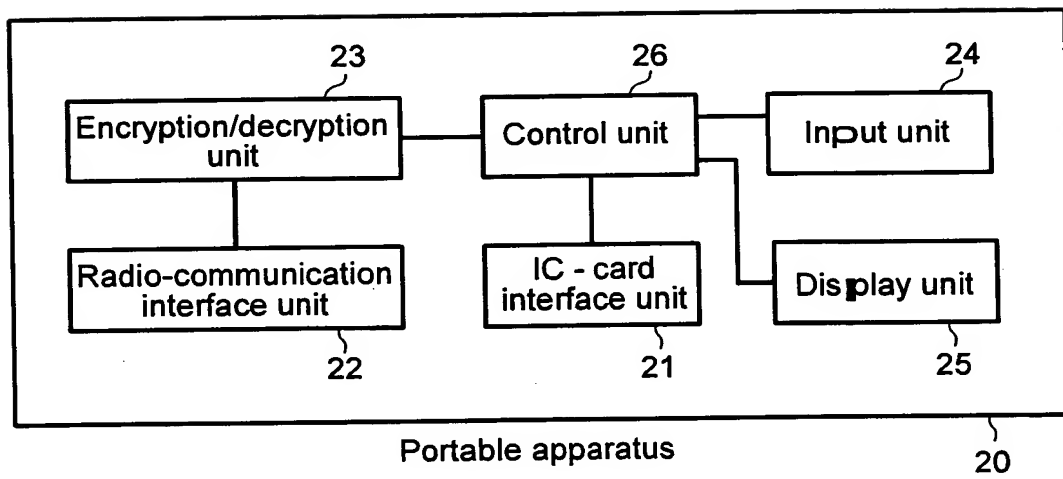
(b)



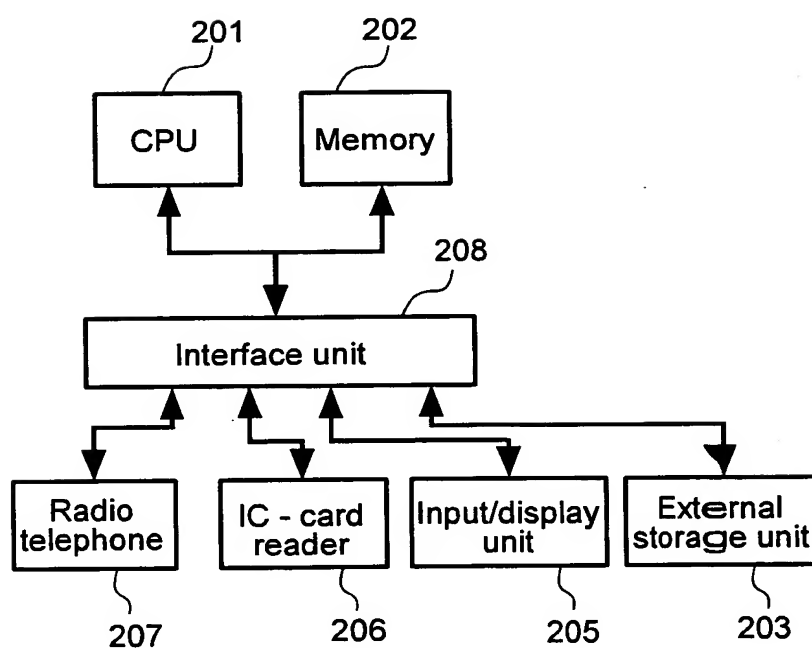
# FIG.3



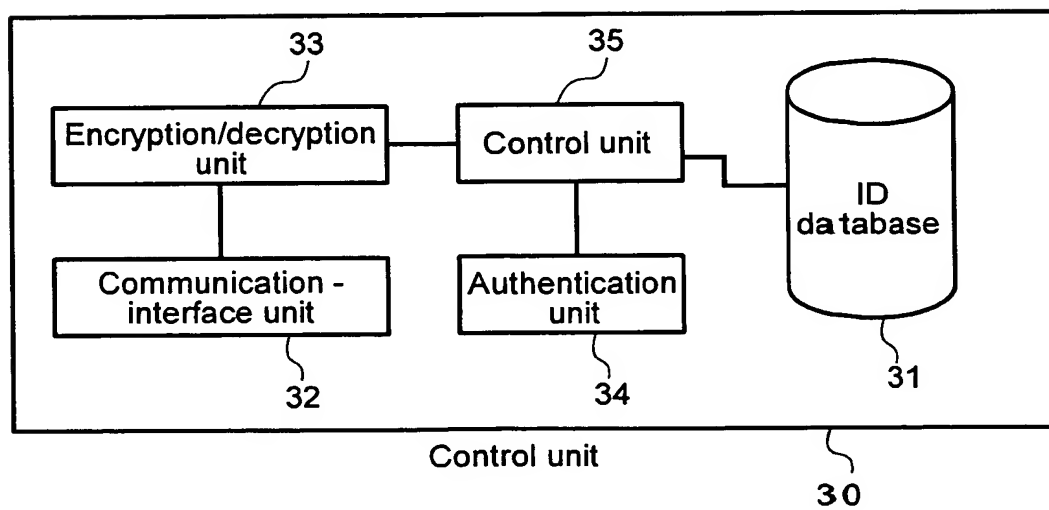
**FIG.4**



**FIG.5**



**FIG.6**



# FIG.7

(a)

Attributes			ID number	Cataloged information
$A_1$	...	$A_n$		
**	...	**	*****	*****
**	...	**	*****	*****
**	...	**	*****	*****
**	...	**	*****	*****
**	...	**	*****	*****
⋮	⋮	⋮	⋮	⋮

(b)

Class A

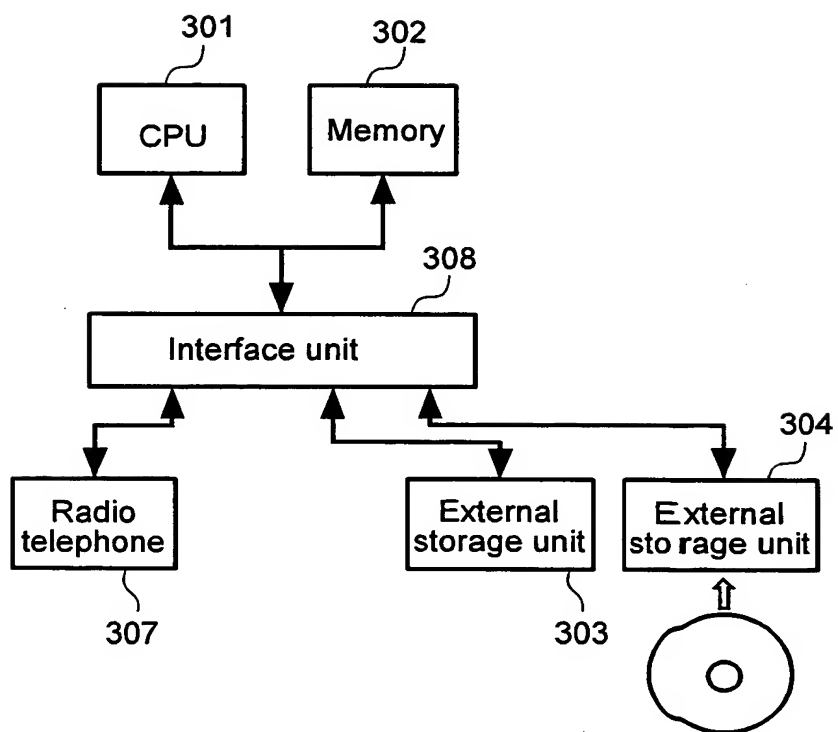
Attributes			ID number	Cataloged information
$A_1$	...	$A_n$		
**	...	**	*****	*****
**	...	**	*****	*****

Class B

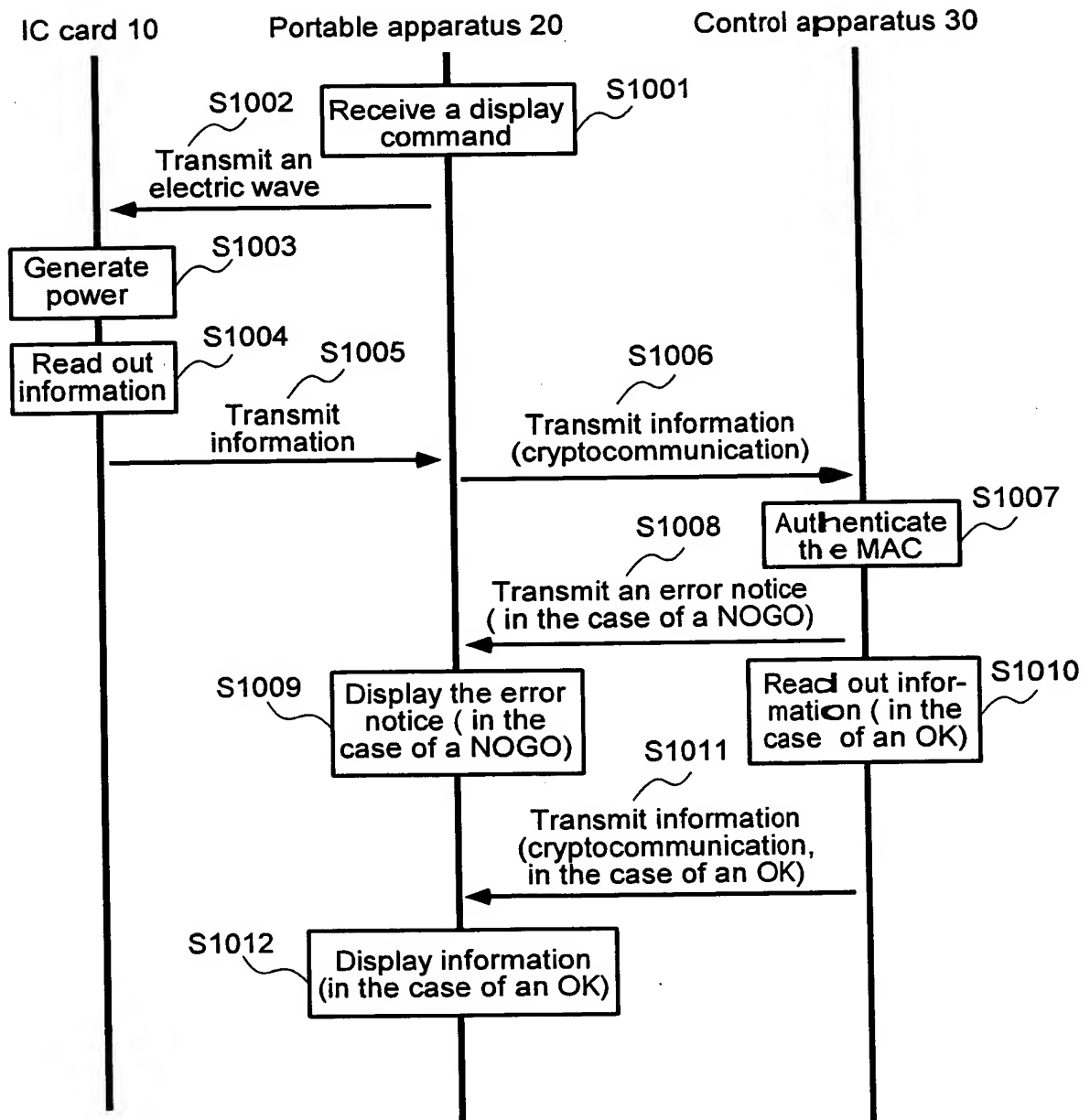
Attributes			ID number	Cataloged in formation
$A_1$	...	$A_{n-1}$		
**	...	**	*****	*****
**	...	**	*****	*****

⋮

**FIG.8**

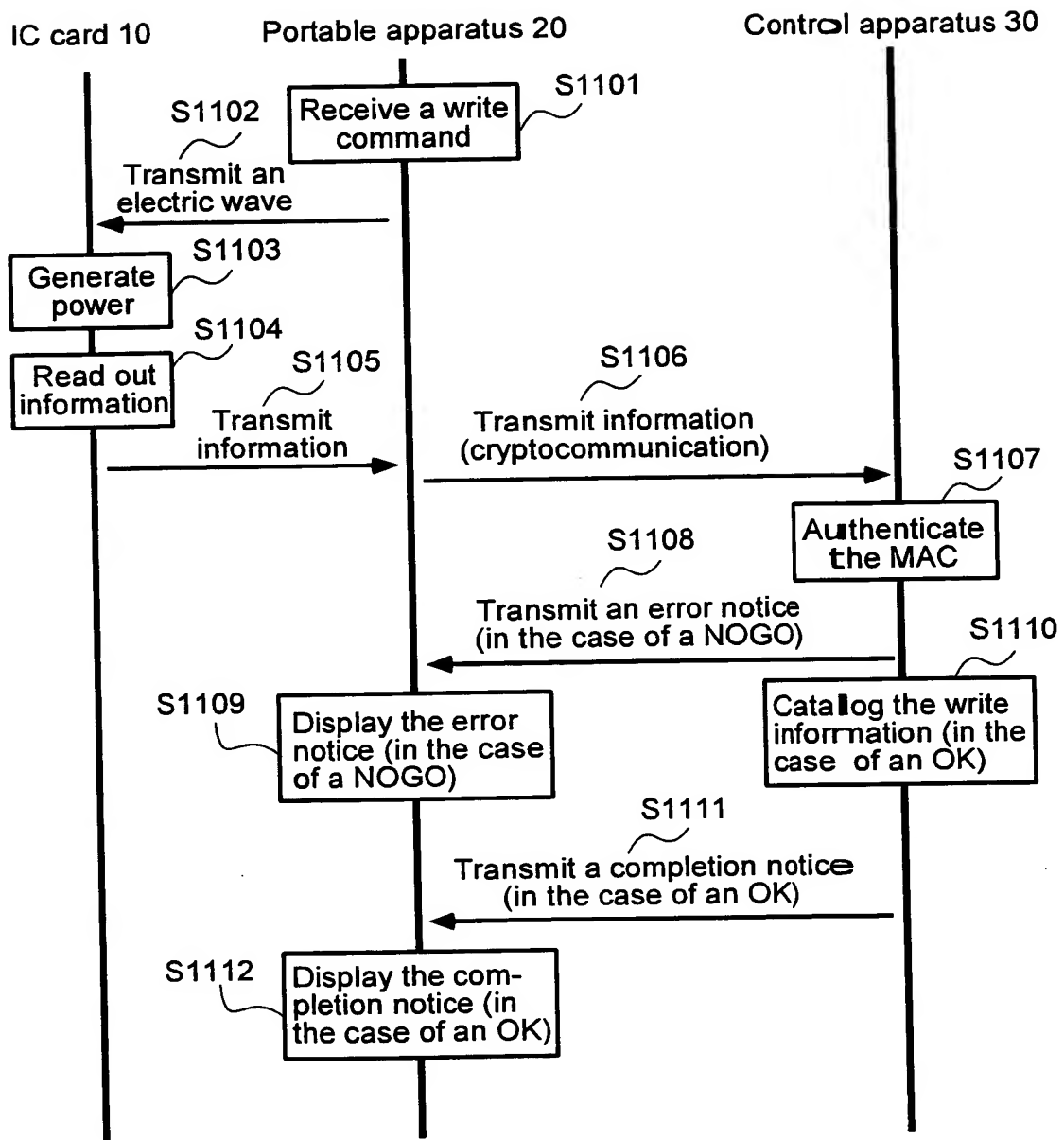


# FIG.9

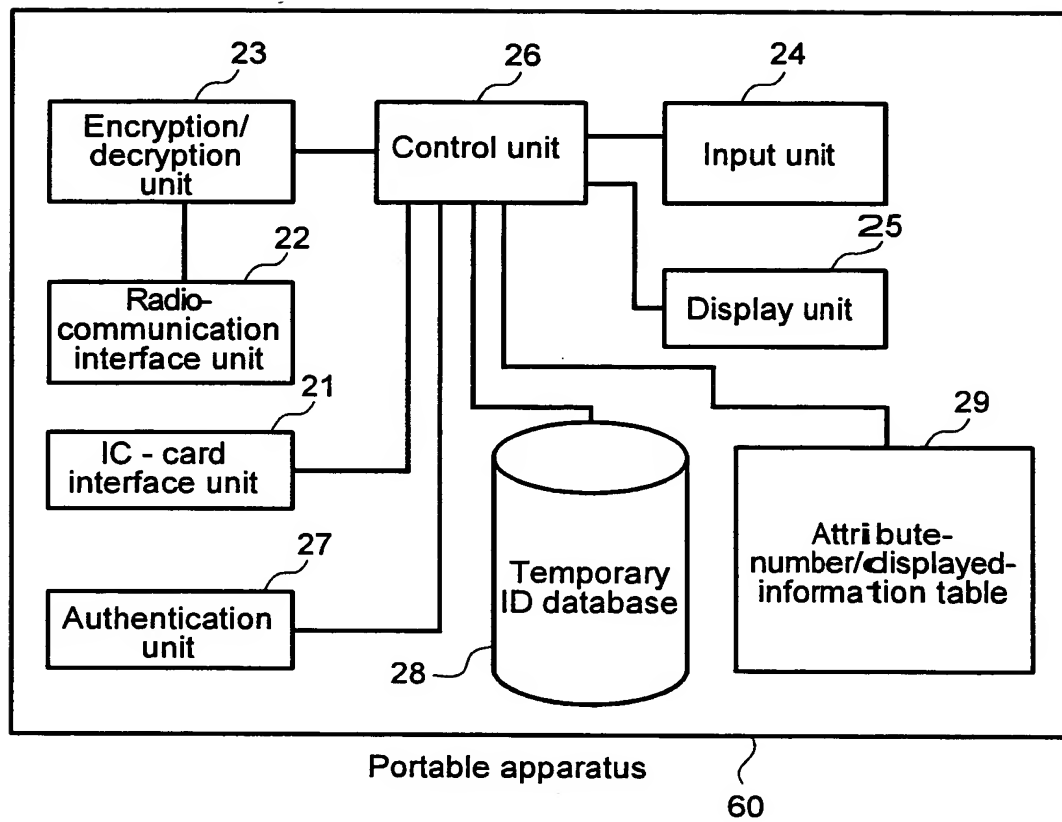




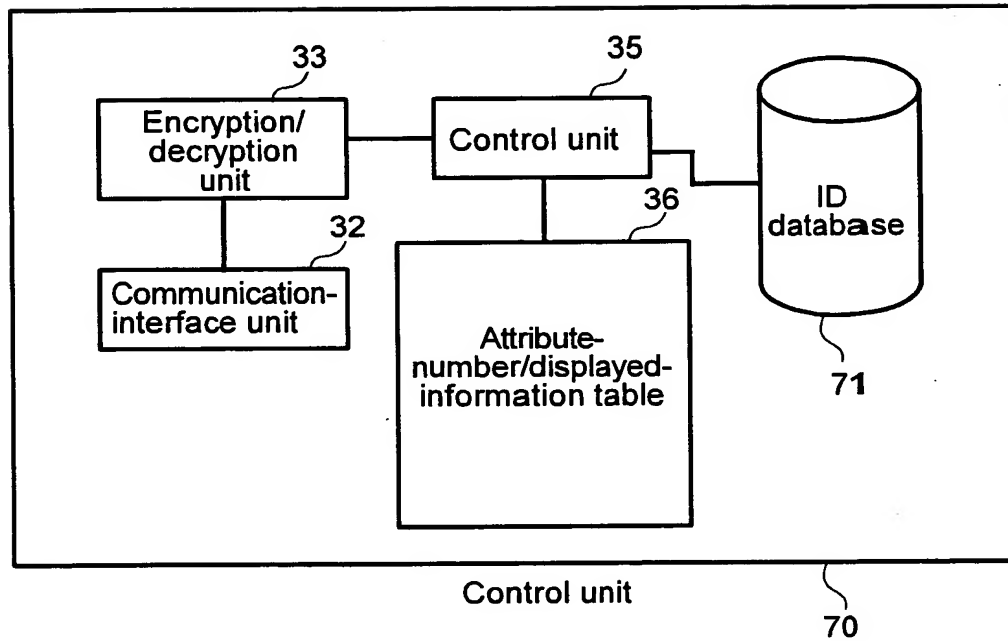
**FIG.10**



**FIG.11**



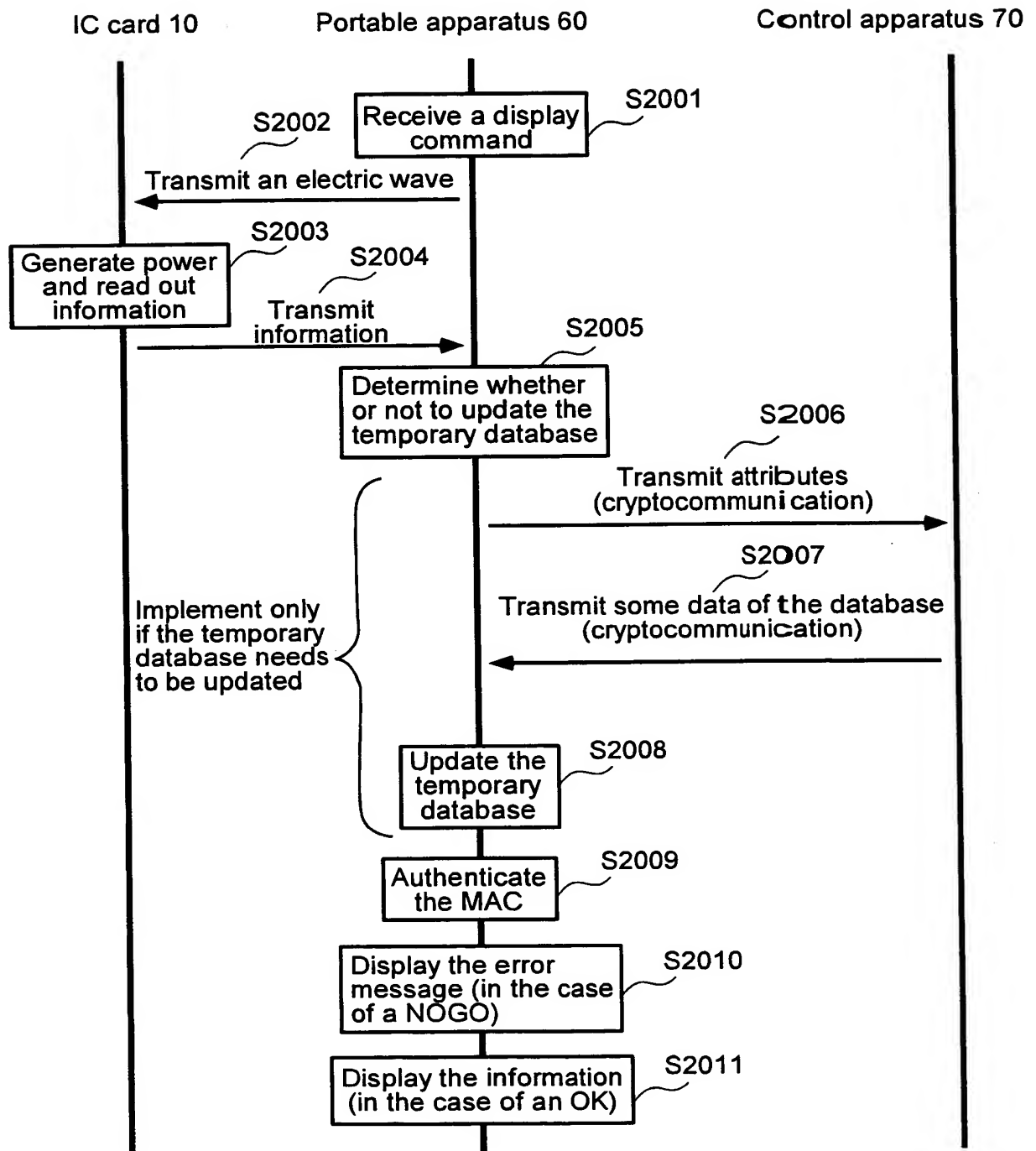
# FIG.12



# FIG.13

Attributes			ID number	User ID number	Cataloged information
A <sub>1</sub>	...	A <sub>n</sub>			
**	...	**	*****	*****	*****
**	...	**	*****	*****	*****
**	...	**	*****		*****
**	...	**	*****	*****	*****
**	...	**	*****		*****
⋮	⋮	⋮	⋮	⋮	⋮

# FIG.14



# FIG.15

